

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 3 / 2	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/IB2004/001232	International filing date (day/month/year) 23/04/2004	(Earliest) Priority Date (day/month/year) 24/04/2003	
Applicant MATTIELLO, Ruggero			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box II).

3. **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 E03D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 08, 6 August 2003 (2003-08-06) & JP 2003 096874 A (MARUHARA TAKESHI; SATO TSUTOMU), 3 April 2003 (2003-04-03) abstract	1, 4, 15, 17
Y		2, 3, 5, 11, 12, 14
A	---	5
X	BE 1 008 248 A (SCIRE SCAPPUZZO MARIO) 27 February 1996 (1996-02-27) page 3, line 41 - line 53; figure 2 ---	1, 15
Y	DE 200 08 281 U (GISTL EGMONT) 8 March 2001 (2001-03-08) the whole document ---	2, 11, 12
A		4, 17
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

5 July 2004

Date of mailing of the international search report

12/07/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00/77312 A (SAGARESE ROCCO) 21 December 2000 (2000-12-21) page 5, line 9-23; figure 3 ---	3,14
A	FR 2 067 610 A (TERRIER SERGE) 20 August 1971 (1971-08-20) page 1, line 36 -page 2, line 5; figure 1 ---	1,4,11
Y	FR 2 067 610 A (TERRIER SERGE) 20 August 1971 (1971-08-20) page 1, line 36 -page 2, line 5; figure 1 ---	5
A	WO 01/86080 A (SALVAGNO LUCA ;CANTERI RENATO (IT)) 15 November 2001 (2001-11-15) the whole document ---	1,2,14
A	US 2002/148035 A1 (KANG TAE C) 17 October 2002 (2002-10-17) the whole document ---	1,15,16
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) & JP 09 088155 A (HOUSHIYOU MASAYOSHI), 31 March 1997 (1997-03-31) abstract ---	1,15,16
A	US 3 332 089 A (HERB WILTON) 25 July 1967 (1967-07-25) the whole document -----	1,16

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
JP 2003096874	A	03-04-2003	NONE			
BE 1008248	A	27-02-1996	BE	1008248 A6		27-02-1996
DE 20008281	U	08-03-2001	DE	20008281 U1		08-03-2001
WO 0077312	A	21-12-2000	IT AU WO	PZ990004 U1 5882899 A 0077312 A1	18-12-2000 02-01-2001 21-12-2000	
FR 2067610	A	20-08-1971	FR	2067610 A5		20-08-1971
WO 0186080	A	15-11-2001	IT AU WO	VR20000041 A1 5874601 A 0186080 A1	05-11-2001 20-11-2001 15-11-2001	
US 2002148035	A1	17-10-2002	NONE			
JP 09088155 4	A		NONE			
US 3332089	A	25-07-1967	NONE			